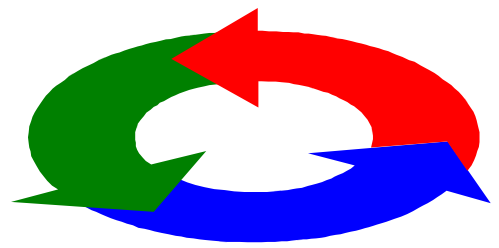


# Amendments



Improving Awareness & Advocacy of the Michigan Biosolids Program

Volume 7, First Quarter

January, 2006

## Biosolids Seminar Issue

### Biosolids Seminar 2006

The 2006 MWEA **Biosolids Seminar and Tour** is Scheduled for **March 1 and 2, 2006**. The location is Traverse City at the Park Place Hotel. Also, Dr. Lee Jacobs will be conducting his **Biosolids Workshop** at the Park Place Hotel **February 28 to March 1, 2006**. Space is limited to the first 30 registrants to Dr. Jacobs' Workshop.

## BIOSOLIDS COMMITTEE PRESENTS

# BIOSOLIDS BEYOND THE PLANT



March 1st and 2nd, 2006  
At the

PARK PLACE HOTEL  
IN DOWNTOWN

TRAVERSE CITY  
MICHIGAN!

For more information about the Seminar or the MWEA Biosolids Committee contact:

Todd Wibright or  
1 616 457-0720  
wibrightt@cityofgrandville.com

Steve Mahoney  
1 517 241-2508  
mahoneys@michigan.gov

## MWEA BIOSOLIDS COMMITTEE TOURS AND SEMINAR

### WHO SHOULD ATTEND?

Wastewater Treatment Plant Managers and Operators, Process Control Specialists, Contractors, Designers, Regulators, Equipment Suppliers, and Students interested in Wastewater Treatment and Biosolids Management.

March 1st, 2006

## TOUR LOCATIONS

### Brys Winery

The Old Mission Peninsula north of Traverse City has a unique environment that creates the perfect agricultural climate for growing grapes. Founded in 2005 Brys is the newest winery on the Peninsula and is currently producing several different varieties of wine. We will get an overview of the Estate and see how this growing Michigan industry creates it's product!

### Traverse City Wastewater Treatment Plant

Operating on a small footprint in Traverse City along Boardman Lake, the plant recently completed an expansion to 8.5 MGD using Membrane Bioreactor Technology in order to adapt to space limitations. Anaerobic Digestion and Sieve Drum Thickening Process Biosolids prior to Land Application.

March 2nd, 2006

## SEMINAR OVERVIEW

Biosolids are the nutrient rich resource derived from the treatment of wastewater. There are a variety of beneficial applications that exist for Biosolids reuse. This Seminar will address what Wastewater Supervisors, Managers, Process Operators, Engineers or Regulators need to know about what options are available. Topics covered will be: What other Michigan Facilities are doing. What alternatives there are for application. How to create and promote an effective program. Maintaining appropriate information and records.

Thanks the following vendors for their generous  
Sponsorship and Support of this Seminar:

**BioTech Agronomics**  
**Black and Veatch**  
**EarthTech**  
**Fishbeck, Thompson,**  
**Carr and Huber**  
**Hamlett Environmental**  
**Technologies/Westech**  
**Engineering**  
**HTI Inc.**  
**Malcolm Pirnie**  
**Merrell Bros. Inc**  
**Rowe Inc.**  
**Solberg/Knowles and**  
**Associates**  
**Watersolve, LLC**

Please make sure to visit with them to discuss current  
products and issues during our reception on Wednesday  
evening and in the networking periods of the seminar.



Wednesday, March 1st, 2006

|                 |  |
|-----------------|--|
| 1 p.m. - 2 p.m. | <b>Check in and registration</b>                     |
| 2 p.m. - 6 p.m. | <b>Facilities tours</b>                              |
| 7 p.m. - 9 p.m. | <b>Welcoming reception and<br/>vendor networking</b> |

Thursday, March 2nd, 2006

|                         |  |
|-------------------------|--|
| 7:00 a.m. - 8:30 a.m.   | <b>Registration</b>  |
| 8:30 a.m. - 8:45 a.m.   | <b>CEC requirements and MWEA</b><br>(Jerry Harte)  |
| 8:45 a.m. - 9:00 a.m.   | <b>The “Baron of Biosolids”.</b><br>Curt Goodman, City of<br>Marquette passes the crown on to<br>new royalty!                                    |
| 9:00 a.m. - 9:30 a.m.   | <b>National Biosolids Partnership<br/>and Environmental<br/>Management Systems (EMS)</b><br>(Dr. Pete Machno, National<br>Biosolids Partnership) |
| 9:30 am - 10:00 a.m.    | <b>Michigan EMS Programs -<br/>Grand Rapids, Kalamazoo and<br/>Battle Creek</b><br>(Randy Fisher, Mike Wetzel and<br>Ken Kohs)                   |
| 10:00 a.m. - 10:30 a.m. | <b>Break</b>   |
| 10:30 a.m. - 11:30 a.m. | <b>News from the Field and<br/>Agency Issues</b><br>(Jim Johnson , MDEQ and<br>Steve Mahoney MDA)  |
| 11:30 a.m. - 12 noon    | <b>Developing a Biosolids Master<br/>Plan</b><br>(Sam Jeyanayagam, Malcolm<br>Pirnie)  |
| 12 noon - 1 p.m.        | <b>Lunch</b>   |

*Continued on page 3*

Thursday, March 2nd, 2006

## HOTEL INFORMATION

## AFTERNOON CONCURRENT SESSIONS

### Session A

- 1:00 p.m. - 1:30 p.m. **Mine Land Reclamation**  
(Curt Goodman, City of Marquette)
- 1:35 p.m. - 2:05 p.m. **Rogers City Lime Quarry Reclamation**  
(Dave McGlone)
- 2:05 p.m. - 2:35 p.m. **Break**
- 2:35 p.m. - 3:05 p.m. **Forest Land Application**  
(Don French, City of Escanaba)
- 3:10 p.m. - 3:40 p.m. **Co-Generation, Power in Biosolids Production**  
(Combined Heat and Power)

### Session B

- 1:00 p.m. - 1:30 p.m. **Farmland Preservation**  
(Rich Harlow, MDA)
- 1:35 p.m. - 2:05 p.m. **Michigan Biosolids, Liquid vs. Solid**  
(Mark Miller, Synagro Central)
- 2:05 p.m. - 2:35 p.m. **Break**
- 2:35 p.m. - 3:05 p.m. **Geotube Dewatering and Polymer Conditioning**  
(Brian Mastin PhD, Watersolve, LLC)
- 3:10 p.m. - 3:40 p.m. **Record Keeping, what you are responsible for.**  
(Mike Person, MDEQ)
- 3:50 p.m. - 4:00 p.m. **Adjournment and door prizes in vendor area**



Park Place Hotel  
300 E. State St., Traverse City, MI  
www.park-place-hotel.com

Reservations  
(800) 748-0133

Park Place Main  
(231) 946-5000

Accommodations and parking are not included in the price of the seminar. The special single room rate is \$65. To obtain this rate you must indicate you are attending the seminar when making reservations.

### DIRECTIONS

Take U.S. 131 towards Cadillac.  
Exit at M-115 and turn west.  
Follow M-115 to MI-37.  
Turn North on MI-37 and follow into Traverse City.  
Turn right onto W. 8th Street.  
Follow 8th to S. Cass and turn left.  
Follow S. Cass to E. State and turn right to Hotel.

### REGISTRATION

Name: \_\_\_\_\_

Employer: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Daytime Telephone: \_\_\_\_\_

☐ **Check box if you wish to receive WW CECs**

Special Requirements: \_\_\_\_\_

Registration confirmations are sent via email only.

Email: \_\_\_\_\_

☐ MWEA Member \$140, Membership #: \_\_\_\_\_

☐ MWEA Nonmember \$170

☐ Nonmembers: If you wish to receive a one year complimentary membership, please check this box.

### PAYMENT OPTIONS

Check Enclosed \$ \_\_\_\_\_ (payable to MWEA)

Charge \$ \_\_\_\_\_ Visa MasterCard

Account Number: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Phone: 1 517 641-7377

Fax: 1 517 641-7388